

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sukhendu K. Majumdar

GENERAL INFORMATION:

Name:	Equitable Gathering, LLC, Wildcat Station
Address:	1690 Honey Gap Hollow Road Fisty, KY 41743
Date application received:	5/13/2008
SIC Code/SIC description:	1311, Natural Gas Compressor Station
Source ID:	21-119-00043
Agency Interest:	84803
Activity:	APE20080002
Permit:	F-08-023

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
_X_Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	2007 Actual (tpy)	Potential (tpy)
PM/PM ₁₀	0	0.025/0.025
SO ₂	0.0004	0.1
NO _x	2.88	62.85
CO	0.6	9.1
VOC	0.5	19.96
Single HAPs	0.05	3.34
Source wide HAPs	3.1	5.3

SOURCE DESCRIPTION:

On May 13, 2008 Equitable Gathering, LLC submitted an air permit application to the Division for installation of a new natural gas compressor and emergency generator replacement engine at an existing natural gas compressor station in Knott County near Fisty, Kentucky (Wildcat Station). The Station's current operating permit is under Kentucky West Virginia Gas Company, LLC. Ownership has since transferred to Equitable Gathering, LLC. In the application the permittee requested to change the ownership name to Equitable Gathering, LLC. The station is used to compress natural gas as it is being shipped via pipeline. The station presently consists of two natural gas fired engines, a glycol dehydrator with associated natural gas-fired reboiler, a natural gas-fired emergency engine and eight (8) small storage tanks with less than 5,000 gallons capacity and storing low vapor pressure (< 1.5psi) liquid material.

Equitable Gathering in the application requested to install one new natural gas-fired 2,370 hp compressor and an emergency generator, rated at 450 kW to replace the existing emergency generator. The addition of the compressor engine will increase the throughput capacity for the glycol dehydration unit from 18 million standard cubic feet (mmscf) per day of natural gas to 25 mmscf per day.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The facility at Wildcat Station is presently operating under Title V general permit G-04-001R1. The facility requested a Federally Enforceable State Operating Permit instead of the general permit. The station has uncontrolled potential to emit (PTE) of more than 100 tpy of a criteria air pollutant, more than 10 tpy a single hazardous air pollutant (HAP), and/or more than 25 tpy of combined HAPs and accepting federally enforceable limits to keep potential to emit below the threshold values, per 401 KAR 52:030.

With the addition of a new natural gas-fired compressor, replacement of emergency generator with a bigger engine, and using flare to control the excess gas from the glycol dehydrator unit, the permittee will maintain the federally enforceable limits of less than 100 tpy of criteria pollutants, less than 10 tpy of individual HAP and total HAP emissions below 25 tpy.

OPERATIONAL FLEXIBILITY:

None